

Purchasing Receipts

Plex 4/26/2018 2:11 PM *dart. Jollis. Andrew*



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO039684

<b>Supplier:</b>	MCM001-VU McMaster-Carr Supply Co, P.O. Box 7690 Chicago, IL 60680-7690 USA Phone: 330 995 5500 Fax: 330 995 9600		<b>PO No:</b>	PO039684						
<b>Ship To:</b>	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200		<b>PO Date:</b>	4/24/18						
			<b>Due Date:</b>	4/30/18						
			<b>Purchase Order Revision:</b>							
			<b>Revision Date:</b>							
			<b>Ship-To Contact:</b>	Lussier, Patrick Phone:						
			<b>Via:</b>	Ground						
			<b>Pymt Terms:</b>	2% 10 Net 30						
			<b>Freight Terms:</b>							
			<b>Special Comments:</b>							
<b>Items</b>										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	89895K451	8" per pcs	Smooth-Bore Seamless 304 SS Tubing, 3/8" OD, 0.049" Wall Thickness	Firmed	4/30/18	3 Ea	✓ 0 Ea	3 Ea	\$8.57/Ea	\$25.71
2	91732A737	10/pk	Helicoil Insert, 1/4"-28 x 0.5" LG. receive ea	Firmed	4/30/18	✓ 30 Ea	✓ 0 Ea	30 Ea	\$0.628/Ea	\$18.84
3	91950A031	50/pk	Washer, SS, 0.406" x 0.812" receive pcs	Firmed	4/30/18	✓ 50 pcs	✓ 0 pcs	50 pcs	\$0.2014/pcs	\$10.07
4	93791A424	5/pk	Flat Head Screw, SS, 3/8"-16 x 1" LG.	Firmed	4/30/18	✓ 30 Ea	✓ 0 Ea	30 Ea	\$1.04/Ea	\$31.20
5	92210A336	25/pk	SS Flat Head Screw, 1/4"-28 x 1" LG. receive ea	Firmed	4/30/18	✓ 25 Ea	✓ 0 Ea	25 Ea	\$0.2068/Ea	\$5.17
6	8538K68	3 ft long	Off-White Nylon Rod, 3-3/4" dia.	Firmed	4/30/18	✓ 3 ft	✓ 3 ft	3 ft	\$72.09/ft	\$216.27
<b>Grand Total:</b>										<b>\$307.26</b>

### Order Notes

rec'd A1 1864 / 26

### Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A016 PERSONNEL QUALIFICATION
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT
- A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS
- A040 NOTIFICATION OF QUALITY ESCAPE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENTS
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 4/24/18 10:56 AM dart.Lussier.Patrick



# McMASTER-CARR®

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO039684**  
Order Placed By  
**Patrick Lussier**

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04/24/2018

McMaster-Carr Number  
**2620442-02**

Line	Product	Ordered	Shipped
1	<b>89895K451</b> Smooth-Bore Seamless 304 Stainless Steel Tubing, 3/8" OD, 0.049" Wall Thickness, 8" Long	3 Each	3
2	<b>91732A737</b> 18-8 Stainless Steel Helical Insert, 1/4"-28 Right-Hand Thread, 0.5" Long, Packs of 10	3 Packs	3
3	<b>91950A031</b> 316 Stainless Steel SAE Washer for 3/8" Screw Size, 0.406" ID, 0.812" OD, Packs of 50	1 Pack	1
4	<b>93791A424</b> Black-Oxide 18-8 Stainless Steel Hex Drive Flat Head Screws, 3/8"-16 Thread Size, 1" Long, Packs of 5	6 Packs	6
5	<b>92210A336</b> 18-8 Stainless Steel Hex Drive Flat Head Screw, 1/4"-28 Thread Size, 1" Long, Packs of 25	1 Pack	1



# McMASTER-CARR®

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

## Packing List

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04/24/2018

Purchase Order  
**PO039684**  
Order Placed By  
**Patrick Lussier**

McMaster-Carr Number  
**2620442-01**

Ordered	Shipped
3	3
Feet	

Line	Product
6	8538K68 Off-White Nylon Rod, 3-3/4" Diameter

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 8538K68  
 DATE: APR 26 2018

PO / BATCH NO.: 039684/6065683

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 3,  
 QUANTITY INSPECTED: 3,  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 3 3/4  
 THICKNESS RECEIVED: 3 3/4  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/> N <input type="radio"/>	Astan 03989
CORRECT THICKNESS	Y <input checked="" type="radio"/> N <input type="radio"/>	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/> N <input type="radio"/>	Po # 039684 Part # 8538K68
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>0-89 APR 26 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Wd.	Off-White			Black		
	Lengths, ft.	Per Ft.	Per Ft.	Lengths, ft.	Per Ft.	Per Ft.
2 1/2"	1, 2, 3, 4	8733K853	47.97	8674K196	49.32	
3"	1, 2, 3, 4	8733K163	63.75	8674K197	63.31	
4"	1, 2, 3, 4	8733K165	77.27	8674K198	76.73	
6"	1, 2, 3, 4	8733K167	105.36	8674K893	104.49	

### Strips

- Color: Off-White
- Temperature Range: -40° to 185° F
- Tensile Strength: 11,200 psi (Excellent)
- Impact Strength: 1.0 ft.-lbs./in. (Good)
- For Use Outdoors: No
- Specifications Met:
  - 0.010" to 0.020" Thick: ASTM D6779, Made of FDA Listed Material, NSF/ANSI Standard 61 for Drinking Water
  - 0.031" to 0.062" Thick: ASTM D6779, Made of FDA Listed Material, NSF/ANSI Standard 61 for Drinking Water, UL 94V2
  - 1/8" Thick: ASTM D6779, Made of FDA Listed Material, NSF/ANSI Standard 61 for Drinking Water, UL 94V2

Thick.	Thick. Tolerance	Lengths, ft.	1/2" Wd.		1" Wd.		2" Wd.		4" Wd.		6" Wd.		12" Wd.	
			Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.	Per Ft.
0.010"	-0.003" to +0.003"	5, 10, 20, 25, 50	—	—	8730K62	\$0.18	8730K65	\$0.36	8730K68	\$0.70	8730K82	\$1.06	—	—
0.015"	-0.003" to +0.003"	5, 10, 20, 25, 50	—	—	8730K63	.21	8730K66	.33	8730K69	.79	8730K83	1.17	—	—
0.020"	-0.003" to +0.003"	5, 10, 20, 25, 50	8730K85	\$0.12	8730K64	.24	8730K67	.47	8730K81	.93	8730K84	1.40	8730K86	\$2.72
0.031"	-0.003" to +0.003"	5, 10, 20, 25, 50	8730K55	.18	8730K15	.36	8730K26	.70	8730K37	1.41	8730K48	2.11	8730K834	3.99
0.040"	-0.003" to +0.003"	5, 10, 20, 25, 50	8730K56	.24	8730K16	.47	8730K27	.94	8730K38	1.85	8730K49	2.78	8730K835	5.10
0.050"	-0.005" to +0.005"	5, 10, 20, 25, 50	8730K57	.28	8730K17	.51	8730K28	1.01	8730K39	2.00	8730K51	3.01	8730K836	5.72
0.062"	-0.005" to +0.005"	5, 10, 20, 25, 50	8730K58	.32	8730K18	.64	8730K29	1.26	8730K41	2.52	8730K52	3.77	8730K837	6.67
1/8"	-0.005" to +0.005"	5, 10, 20, 25, 50	8730K61	.75	8730K71	1.41	8730K72	2.47	8730K73	4.51	8730K74	6.62	8730K77	12.73

### Adhesive-Back Strips

- Color: Off-White
- Temperature Range: -40° to 185° F
- Tensile Strength: 11,200 psi (Excellent)
- Impact Strength: 1.0 ft.-lbs./in. (Good)
- For Use Outdoors: No
- Specifications Met: ASTM D6779

Thick.	Thick. Tolerance	Lengths, ft.	Adhesive Temperature Range, °F			4" Wd.			6" Wd.			12" Wd.		
			Type	Range	Lengths, ft.	Per Ft.								
0.031"	-0.003" to +0.003"	Acrylic	-40° to 185°	1, 2, 5, 10, 20	8730K14	\$3.97	8730K19	\$5.71	8730K25	\$10.52				
0.062"	-0.005" to +0.005"	Acrylic	-40° to 185°	1, 2, 5, 10, 20	8730K31	6.75	8730K36	9.35	8730K42	17.32				
1/8"	-0.005" to +0.005"	Acrylic	-40° to 185°	1, 2, 5, 10, 20	8730K47	10.72	8730K59	14.88	8730K78	28.70				

### Nylon Rods



- Color: Off-White or Black
- Maximum Temperature: 185° F
- Tensile Strength: 11,200 psi (Excellent)
- Impact Strength:
  - 1/16" and 1/8" dia.: 0.6 ft.-lbs./in. (Poor)
  - All other sizes: 1.0 ft.-lbs./in. (Good)
- For Use Outdoors: No
- Specifications Met:
  - Off-White: ASTM D5989, ASTM D6779, Made of FDA Listed Material, NSF/ANSI Standard 61 for Drinking Water, UL 94V2
  - Black: ASTM D5989, ASTM D6779, UL 94V2

Often used for bearings, gears, cams, and valve seals. These nylon 6/6 rods stand up to wear and abrasion, as well as gasoline, mineral oil, and refrigerants.

Dia.	Dia. Tolerance	Lengths, ft.	Off-White		Black	
			Per Ft.	Per Ft.	Per Ft.	Per Ft.
1/16"	0" to +0.005"	4	8538K11	\$0.46	8541K12	\$0.58
1/8"	0" to +0.005"	4	8538K12	.48	8541K12	\$0.58
3/16"	0" to +0.005"	5	8538K13	.40	8541K43	.61
1/4"	0" to +0.005"	5	8538K14	.49	8541K14	.54
5/16"	0" to +0.005"	5	8538K15	.55	8541K15	.73
3/8"	0" to +0.005"	5	8538K16	.74	8541K16	.90
7/16"	0" to +0.005"	5	8538K17	.93	8541K17	1.20
1/2"	0" to +0.005"	5	8538K18	1.05	8541K18	1.29
9/16"	0" to +0.005"	5	8538K42	1.83	8541K74	2.05
5/8"	0" to +0.005"	5	8538K19	1.77	8541K19	2.11
3/4"	0" to +0.005"	5	8538K21	2.46	8541K21	2.77
7/8"	0" to +0.005"	1, 2, 3, 4, 5	8538K22	3.60	8541K22	4.00
1"	0" to +0.005"	1, 2, 3, 4, 5	8538K23	4.11	8541K23	4.36
1 1/8"	0" to +0.005"	1, 2, 3, 4, 5	8538K24	5.72	8541K75	6.66

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL :  
 SPECIFICATION:  
 PART NUMBER:

NYLON 6 ROUND BAR  
 ASTM D5989  
 MT-NYLON 6-R[D,DDD]-C

WHERE "D,DDD" = DIAMETER IN INCHES  
 WHERE C = COLOR [W= WHITE] / [B= BLACK]  
 EG. 5/8" ROUND BAR = MT-NYLON 6-R0.625-W

1	2	3	4	5	6	7	8
REV.	DESCRIPTION	REV.	DESCRIPTION	REV.	DESCRIPTION	REV.	DESCRIPTION
A	NEW ISSUE						

A	B	C
<b>DART</b> <small>AEROSPACE</small> Mississauga, Ontario, Canada	<b>NYLON 6 ROUND BAR</b> <small>REV. A</small>	<b>MT-NYLON 6-R</b> <small>REV. A</small>
<small>DESIGN BY:</small> VM/B/S/2017 <small>DRAWN BY:</small> VM/08/12/2017 <small>CHECKED:</small> SAC/08/12/2017 <small>INFC. APPROVED:</small> DP/08/05/2017 <small>QA APPROVED:</small> PD/08/07/2017 <small>APPROVED:</small> MWA/09/12/2017 <small>DATE:</small> 09/12/2017 <small>SCALE:</small> 1:1 <small>WEIGHT:</small> N/A	<small>FUNCTIONS &amp; TOLERANCES</small> 200 ± .005 FRAC TOL. ANGLES ± 1° SURFACES B +1/-1 1. DOME GEOMETRY ARE AS DRAWN AND UNCHANGED 2. INTERPRET DRAWINGS TO PER ASME Y14.5M-2009 3. NO OTHER INTERPRETATION OR AFTER PLANNING <small>NOTES:</small> SHEET 1 OF 1 <small>Copyright © 2017 by DART Aerospace Ltd.</small> <small>This document is a trade secret and confidential and is furnished on the express condition that it will not be</small> <small>copied or otherwise reproduced or disclosed to anyone except those to whom it was furnished in accordance with the terms and conditions of contract.</small>	<small>REV. A</small>
8	7	6
5	4	3
4	3	2
3	2	1
2	1	0